

Appl. No. 09/716,809
Amdt. Dated 07/13/2004
Reply to Office action of May 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-16. (Cancelled.)

17. (Currently Amended) ~~A The network apparatus of claim 16 further comprising:~~
an external network data port;
a network data monitor to monitor network data traffic over the external network data
port, the network data monitor includes a memory and a set of monitor program instructions
stored in the memory;
a maintenance data port;
a processor coupled to the maintenance data port and in communication with the network
data monitor, the processor to execute the set of monitor program instructions and to evaluate the
network data traffic, the set of monitor program instructions comprises program instructions
transferred to the memory through the maintenance data port; and

a network configurator in communication with the processor, the network configurator to automatically configure the network apparatus to permit a selected flow of network data through the external network data port in response to instructions received from the processor.

18. (Currently Amended) The network apparatus of claim ~~16~~17, wherein the memory of the network data monitor is coupled to the processor to store data and the set of monitor program instructions.

19. (Currently Amended) The network apparatus of claim ~~16~~17, wherein the maintenance data port is coupled to an external network maintenance station.

20. (Previously Presented) The network apparatus of claim 17, wherein the network configurator comprises a set of network configurator program instructions stored in the memory and executed by the processor.

Appl. No. 09/716,809
Amdt. Dated 07/13/2004
Reply to Office action of May 14, 2004

21. (Previously Presented) The network apparatus of claim 20 wherein the set of network configurator program instructions comprises program instructions transferred to the memory through the maintenance data port from an external network maintenance station.

22. (Currently Amended) The network apparatus of claim ~~16~~17, wherein the processor transfers information relating to network data traffic through the maintenance data port to an external network maintenance station.

23. (Previously Presented) A method for configuring a network switch including a maintenance data port, processor and memory, the method comprising:
monitoring network data traffic;
comparing the network data traffic to a threshold condition; and
automatically configuring the network switch if the network data traffic meets the threshold condition by transferring a set of network configurator program instructions to the memory through the maintenance data port.

24. (Previously Presented) The method of claim 23, wherein prior to monitoring the network data traffic, the method further comprises transferring a set of monitor program instructions to the memory through the maintenance data port from an external network maintenance station.

25. (Previously Presented) The method of claim 23, wherein the set of network configurators program instructions are transferred from an external network maintenance station.

26. (Previously Presented) The method of claim 23 further comprising transferring monitor information about the network data traffic to an external network maintenance station through the maintenance data port.

27. (Previously Presented) The method of claim 23 wherein automatically configuring of the network switch comprises configuring the network switch in response to instructions received from the processor.

Appl. No. 09/716,809
Amdt. Dated 07/13/2004
Reply to Office action of May 14, 2004

28. (Previously Presented) The method of claim 23 wherein automatically configuring of the network switch comprises configuring the network switch in response to instructions received from an external network maintenance station through the maintenance data port.

29. (Previously Presented) A network apparatus comprising:
a maintenance data port to receive a first set of byte codes;
a java virtual machine configured to receive the first set of byte codes and to convert the first set of byte codes into a first set of instructions;
a memory in communication with the java virtual machine, the memory to be loaded with (i) the first set of instructions to monitor a flow of network data, and (ii) a second set of instructions to automatically configure the flow of network data; and
a processor coupled to the memory, the processor to execute the first set of instructions and the second set of instructions.

30. (Previously Presented) The network apparatus of claim 29, wherein the maintenance data port receives the first set of byte codes from a network maintenance station.

31. (Previously Presented) The network apparatus of claim 29 further comprising:
an external network data port.

32. (Previously Presented) The network apparatus of claim 31, wherein the flow of network data is monitored at the external network data port.

33. (Previously Presented) The network apparatus of claim 29, wherein the maintenance data port receives the set of byte codes from a network maintenance station.